

Title (en)
O-BENZYL OXIME ETHER DERIVATIVES AND THEIR USE AS PESTICIDES

Title (de)
O-BENZYLOXIMETHER-DERIVATE UND IHRE VERWENDUNG ALS PESTIZIDE

Title (fr)
DERIVES D'ETHER D'OXIME D'O-BENZYLE ET LEUR UTILISATION EN TANT QUE PESTICIDES

Publication
EP 0651737 B1 19980729 (EN)

Application
EP 94917585 A 19940506

Priority
• CH 151693 A 19930518
• EP 9401457 W 19940506

Abstract (en)
[origin: WO9426700A1] Compounds of formula (I) in which Y is hydrogen, C1-C4alkyl, C1-C4alkoxy, OH, CN, NO₂, Si(CH₃)₃, CF₃ or halogen, Z is a group (a) or (b) and R1 is hydrogen, C1-C4alkyl, C2-C4alkenyl, C2-C4alkynyl, C3-C6cycloalkyl, phenyl which is unsubstituted or at most trisubstituted by halogen, C1-C4alkyl, C1-C4alkoxy, C1-C4alkylthio, or benzyl which is unsubstituted or at most trisubstituted in the aromatic ring in the same manner; or is cyclopropylmethyl, C1-C4haloalkyl, C2-C5alkoxyalkyl, cyanomethyl, CO-R6, OH, NH₂, C1-C4alkylamine or C1-C4alkoxycarbonyl-C1-C2alkyl; X is oxygen, sulfur or NR₅; R₂ is hydrogen, C1-C4alkyl, C2-C4alkenyl, C2-C4alkynyl, C3-C6cycloalkyl, C(O)R₆, OH or C1-C4alkoxy, NH₂ or C1-C4alkylamine; R₅ is hydrogen, C1-C4alkyl, C2-C4alkenyl or C2-C4alkynyl; R₆ is hydrogen, C1-C4alkyl, C1-C4haloalkyl, C1-C4alkoxy, C3-C6cycloalkyl, C1-C4alkoxycarbonyl or phenyl which is unsubstituted or at most trisubstituted; and in which R₃ and R₄ independently of one another are hydrogen, cyano, C1-C4alkyl, halo-C1-C4alkyl, C2-C4alkenyl, C2-C4alkynyl, C3-C6cycloalkyl, cyclopropylmethyl, C1-C4alkoxy, C2-C5-alkoxyalkyl, C1-C4alkoxycarbonyl, C1-C4alkylthio, C2-C5alkylthioalkyl; a ring having not more than 15 ring carbon atoms which can be polymembered and is unsubstituted or at most trisubstituted and has 0-3 hetero atoms N, O or S, it being possible for this ring to be bonded via an aliphatic bridge having not more than 4 carbon atoms and/or via either CO, oxygen or sulfur; or in which R³? and R⁴? together with the shared carbon atom are a ring or polymembered ring system having not more than 15 ring carbon atoms which is unsubstituted or at most trisubstituted and has 0-3 hetero atoms N, O or S; are suitable for controlling and preventing attack by microorganisms of plants. They can be used in the form of commercially available formulated compositions.

IPC 1-7
C07C 257/06; C07C 259/14; C07C 257/14; C07C 259/18; C07C 259/20; C07C 323/44; C07C 327/58; C07D 317/68; A01N 37/52; A01N 37/50

IPC 8 full level
C07D 295/12 (2006.01); **A01N 37/50** (2006.01); **A01N 37/52** (2006.01); **C07C 255/62** (2006.01); **C07C 257/06** (2006.01); **C07C 257/12** (2006.01); **C07C 257/14** (2006.01); **C07C 259/06** (2006.01); **C07C 259/10** (2006.01); **C07C 259/14** (2006.01); **C07C 259/20** (2006.01); **C07C 271/64** (2006.01); **C07C 323/44** (2006.01); **C07C 327/40** (2006.01); **C07C 327/44** (2006.01); **C07C 327/58** (2006.01); **C07D 207/335** (2006.01); **C07D 207/46** (2006.01); **C07D 213/54** (2006.01); **C07D 213/61** (2006.01); **C07D 213/84** (2006.01); **C07D 215/12** (2006.01); **C07D 235/14** (2006.01); **C07D 239/26** (2006.01); **C07D 239/34** (2006.01); **C07D 239/74** (2006.01); **C07D 241/12** (2006.01); **C07D 265/30** (2006.01); **C07D 271/04** (2006.01); **C07D 277/28** (2006.01); **C07D 279/16** (2006.01); **C07D 285/06** (2006.01); **C07D 295/13** (2006.01); **C07D 295/135** (2006.01); **C07D 307/52** (2006.01); **C07D 307/81** (2006.01); **C07D 311/68** (2006.01); **C07D 317/68** (2006.01); **C07D 319/12** (2006.01); **C07D 333/22** (2006.01); **C07D 333/58** (2006.01); **C07D 417/04** (2006.01); **C07D 521/00** (2006.01); **C07F 7/08** (2006.01); **C07F 7/10** (2006.01); **C07F 7/12** (2006.01)

IPC 8 main group level
C07C (2006.01)

CPC (source: EP KR US)
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WO 9426700 A1 19941124; AT E168993 T1 19980815; AU 685464 B2 19980122; AU 6925494 A 19941212; BR 9405370 A 19991103; CA 2138166 A1 19941124; CN 1109686 A 19951004; CZ 41195 A3 19951018; DE 69412033 D1 19980903; DE 69412033 T2 19990107; DK 0651737 T3 19990426; EP 0651737 A1 19950510; EP 0651737 B1 19980729; ES 2119202 T3 19981001; GR 3027578 T3 19981130; HU 9403522 D0 19950328; HU T69038 A 19950828; IL 109660 A0 19940826; JP 3704649 B2 20051012; JP H07509491 A 19951019; KR 950702524 A 19950729; LT 3262 B 19950525; LT IP1932 A 19941125; NO 950168 D0 19950117; NO 950168 L 19950317; NZ 267074 A 19970129; PL 175820 B1 19990226; PL 307090 A1 19950502; RO 111188 B1 19960730; RU 95105988 A 19961027; SG 44594 A1 19971219; SK 20295 A3 19950711; TW 299310 B 19970301; US 6211240 B1 20010403; US 6342633 B1 20020129

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EP 9401457 W 19940506; AT 94917585 T 19940506; AU 6925494 A 19940506; BR 9405370 A 19940506; CA 2138166 A 19940506; CN 94190293 A 19940506; CZ 41195 A 19940506; DE 69412033 T 19940506; DK 94917585 T 19940506; EP 94917585 A 19940506; ES 94917585 T 19940506; GR 980401764 T 19980804; HU 9403522 A 19940506; IL 10966094 A 19940517; JP 52491794 A 19940506; KR 19950700209 A 19950117; LT IP1932 A 19940511; NO 950168 A 19950117; NZ 26707494 A 19940506; PL 30709094 A 19940506; RO 9500051 A 19940506; RU 95105988 A 19950116; SG 1996003428 A 19940506; SK 20295 A 19940506; TW 83104019 A 19940504; US 67156200 A 20000927; US 73938896 A 19961029